

Abstract

A valve assembly for controlling the flow of fluid through a tube by pinching the tube to prevent fluid flow. The valve assembly includes a valve that receives the tube in a passage between a plunger and a bar. A spring urges the plunger toward the bar to pinch the tube closed. The bar focuses the pinching force of the plunger to reduce the pinching force required to prevent fluid flow. The valve assembly also includes a caliper for opening, locking open and closing the valve and that is attached to the valve with a cable. To open and close the valve, a main lever and lock lever, respectively are rotated in the same direction.